(b) The following information must be displayed on each rotating lighted beacon:

(1) The information prescribed in paragraph (a) of this section.

(2) The operating speed of the rotating apparatus.

(3) The type and level of electrical input required to maintain the operating speed.

OBSTRUCTION LIGHTS

§149.751 Number and location on a platform and SPM.

(a) A platform that is 30 feet or less on any side, or in diameter, must have at least one obstruction light.

(b) An SPM must have at least one obstruction light.

(c) A platform that is more than 30 feet but less than 50 feet on any side, or in diameter, must have at least two obstruction lights that are installed as far apart from each other on the platform as possible.

(d) A platform that is more than 50 feet on any one side must have one obstruction light installed on each corner.

(e) A circular platform that has a diameter of more than 50 feet must have at least 4 obstruction lights that are installed as far apart from each other on the platform as possible.

(f) At least one of the obstruction lights on each platform and SPM must be visible from the water regardless of the angle of approach to the structure.

(g) If a platform or SPM has more than one obstruction light, the lights must all be installed in the same horizontal plane.

(h) Each obstruction light on a platform must be installed at least 20 feet above mean high water.

(i) Each obstruction light on an SPM must be installed at least 10 feet above the water.

§149.753 Number and location on a floating hose string.

A floating hose string must have omnidirectional obstruction lights that are:

(a) Installed at equally spaced intervals of not more than 70 feet along the length of the hose string, except that the two sections of hose furthest from the SPM need not have lights; and

(b) Installed all at the same height and at no less than 2 nor more than 5 feet above the surface of the water.

§149.755 Characteristics.

(a) Each obstruction light on a platform or SPM must:

(1) Be white; and

(2) Flash 50 to 70 times per minute.

(b) If a platform or SPM has more than one obstruction light, the lights must flash simultaneously.

(c) Each obstruction light on a hose string must:

(1) Be yellow; and

(2) Flash 50 to 70 times per minute.

§149.757 Intensity.

(a) Each obstruction light on a platform must have an effective intensity of at least 75 candela.

(b) Each obstruction light on an SPM must have an effective intensity of at least 15 candela.

(c) Each obstruction light on a hose string must have an effective intensity of at least 1 candela.

§149.759 Leveling.

Each obstruction light installed on a platform must have:

(a) Mounting hardware incorporating devices that facilitate horizontal leveling of the light; and

(b) A leveling indicator, or indicators, each with an accuracy of ±0.25 degrees, permanently attached to the light.

BUOYS

§149.771 Number and location.

Each lateral boundary of a traffic lane at a deepwater port must be marked with buoys that are no more than 5 miles apart.

§149.773 Characteristics.

(a) Each buoy at a deepwater port must:

(1) Meet the requirements in §62.25 of this chapter for buoys in United States waters; and

(2) Have:

(i) A radar reflector; and

(ii) A light installed at least 8 feet above the water.

(b) For each traffic lane, the buoy that is furthest from the safety zone

must have a fog signal of a type described in Subpart 62.45 of Part 62 of this chapter.

§ 149.775 Intensity of lights.

(a) Each fixed light on a buoy must have an intensity of at least 75 candela.

(b) Each flashing light on a buoy must have an effective intensity of at least 75 candela.

MISCELLANEOUS

§ 149.791 Identification of a platform and SPM.

(a) Each platform and SPM must display the name of the port, and the name or number or both identifying the structure, so that the information is visible:

(1) From the water at all angles of approach to the structure; and

(2) If the structure is equipped with a helicopter pad, from aircraft on approach to the structure.

(b) The information required in paragraph (a) of this section must be displayed in numbers and letters that are:

(1) At least 12 inches high;

(2) In vertical block style; and

(3) Displayed against a contrasting background.

§ 149.793 Markings for piles and pile clusters.

(a) Each pile and pile cluster that is within 100 yards of a platform or SPM must be marked with white reflective tape.

(b) Each pile and pile cluster that is more than 100 yards from a platform or SPM must meet the obstruction lighting requirements in this subpart for a platform.

§ 149.795 Radar beacon.

The tallest platform must have an FCC type accepted radar beacon (RACON) that:

(a) Transmits in—

(1) Both the 2900–3100 MHz and 9300–9500 MHz frequency bands, or

(2) The 9320–9500 MHz frequency band if installed prior to July 8, 1991.

(b) Transmits a signal of a least 250 milliwatts radiated power that is omnidirectional and polarized in the horizontal plane;

(c) Transmits a 2 or more element Morse code character, the length of which does not exceed 25% of the radar range expected to be used by vessels operating in the area;

(d) If of the frequency agile type, is programmed so that it will respond at least 40% of the time but not more than 90% of the time, with a response time duration of at least 15 seconds; and

(e) Is installed at a minimum height of 15 feet above the highest deck of the platform and where the structure of the platform, or equipment mounted thereon, does not obstruct the signal propagation in any direction.

[CGD–90–016, 56 FR 21082, May 7, 1991]

§ 149.797 Rotating lighted beacon.

The tallest platform must have a rotating lighted beacon that:

(a) Has an effective intensity of at least 15,000 candela;

(b) Flashes at least once every 20 seconds;

(c) Has a white light;

(d) Is installed:

(1) At least 60 feet above mean high water;

(2) Where the structure of the platform, or equipment mounted thereon, does not obstruct the propagation of the light in any direction; and

(3) So as to be visible all around the horizon;

(e) Operates in wind up to 100 knots at a speed that is within 6% of the operating speed displayed on the beacon.

(f) [Reserved]

(g) Has a leveling indicator, or indicators, each with an accuracy of ±0.25 degrees, permanently attached to the light.

§ 149.799 Fog signal.

(a) Each PPC must have a Coast Guard approved fog signal that has a 2 mile range.

NOTE: A list of Coast Guard approved fog signals may be obtained from the Commandant (G–M).

(b) Each fog signal on a PPC must:

(1) Be installed at least 10 feet but not more than 150 feet above mean high water; and

(2) Be installed where the structure of the platform, or equipment mounted